AEE/KSD/SBR/26/13-14

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 2nd &Final Bill

Date 29/6/2013

Zone:BBMP,Yalahanka Division:BBMP, Byatarayanapura Sub-Division:BBMP, Kodigehalli

Bill Received No. 109 Dated 29-6-13 Divisional / Sub-Divisional

Cash Book Voucher No.....Dated.....

Schedule Docket No. Head of Account: P.0190 Est.Cost: Rs 99.00 lakhs Job Code:008-13-000085 D.R.NO.:

Name of Work : Improvements of Drains and Asphalting to main roads and cross roads in ward no 8, Kodigehalli sub Division.

Name of Contractor and Full Address:

Karnataka Rural Infrastructure development limited, #119, 11th cross road, Silvestra Arched, 3rd Floor, East Park road, Malleshwaram, B,lore-03

Reference to Agreement No. EE/BTP/BBMP/KRIDL/WO/260/2012-13 Date: 21.1.13 ~~28.2.2013~~

Certified that the measurements were taken by me on 28/6/13 and recorded of Pages 193311 to 193329 of measurement Book No 1934 and that work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Contractor

29/6/13
Officer-in-charge of work

Certified that measurement were taken by me on 28/6/2013 and found correct. The work is satisfact executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ಬೆಂಗಳೂರು - 560092

		Amount
1) Total value of work done or supplies made as per account within		1093140=00
2) Deduct amount to be held in reserve being.....Percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... adjusted towards cash advance recovery of	1st & part BM	864960=00
b) Payments cost store or other material supplied.		
Now made recovery of amount creditable to this /other work	2nd & Final BM	228198=00
Amount paid on this bill Cheque/Cash	IT	45636=00
	KST	91272=00
	Rs	136908=00
	Cue	22818=00
	CSP	2282=00
	Rly	24738=00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within		
9) Value of Government materials supplied.		
Total amount adjuste	Total Ded	325654=00
Contractor's Signature	Penalty	2000=00

Received Rs.....(in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

(For Use in this Office)

Bychque 195614=00

Witness
1
2

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Stamp

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Executive Engineer

228198=00
325654=00
195614=00

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. No. 150/ Item No. 19.1.1/ PWD SR 2012-13.	Cum
2	Removing B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 2012-13	Sqm
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 24/ Item No. 5.33/ PWD SR 2012-13	Sqm
4	KSRRB 300-3. Earthwork excavation and foming in embankment by manual means in ordinary soil with initial lead upto 15 m. and lift of 1.5m. (When earth is taken from bank cutting or from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) (P 150, I.No. 19.3) SR-2012-13	Cum
5	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms). (Page No. 28. Item No. 37.51) BCSR 2012-13	Sqm
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete (P.No.28 Item No.5.31.1) 7.5 cms thick. SR-2012-13	Sqm
7	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.57cummachine mixed machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery curing complete as per specifications (P. No. 12, Item No. 4.3) 2012-13 SR	Cum
8	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete	Cum
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons.	Sqm
10	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (Page No. 19 & Item No. 4.46)	Qtl
11	KSRRB 300-44 Scarifying top bituminous surface or surface dressing or premix carpet including picking up scarified materials, stacking of old serviceable materials within a lead of 100 metres by manual means including cost of all abour charges complete as per specifications. MORTH Chapter 3 (Page no 155, Item no 19.50 of BCSR 2011-12)	Sqm
12	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (Page No. 19 & Item No, 4.46) SR 12-13	Cum
13	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. (Page No. 171 Item No, 21.6 of BCSR 2012-13)	Sqm

Previous Measurement		Present Measurement			Total Upto Date	
Qty	Amount	Qty	Rate Rs. P.	Amount	Qty	Cost
542.59	43949.79	391.16	81.00	31683.96	933.75	75633.75
5471.55	243319.83	360.45	44.47	16029.21	5832.00	259349.04
4377.24	275766.12	1413.00	63.00	89019.00	5790.24	364785.12
2817.95	316512.14	2250.00	112.32	252720.00	5067.95	569232.14
337.50	13122.00	112.50	38.88	4374.00	450.00	17496.00
1094.31	345101.60	960.00	315.36	302745.60	2054.31	647847.20
0.00	0.00	1.52	3884.76	5904.84	1.52	5904.84
0.00	0.00	6.31	5239.08	33058.59	6.31	33058.59
0.00	0.00	30.50	244.08	7444.44	30.50	7444.44
0.00	0.00	6.31	7323.48	46211.16	6.31	46211.16
0.00	0.00	1650.00	17.93	29584.50	1650.00	29584.50
2596.60	2751045.77	250.50	1059.48	265399.74	2847.10	3016445.51
12484.80	494897.47	2586.32	39.64	102521.72	15071.12	597419.20

14	KSRRB M500-18. Providing and laying semi dense bituminous concrete25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thikness with 5% Bitumen 80/100 (Grading-11) (page No. 174, Item No, 21.20.1 of BCSR 2012-13	**Cum**
15	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No. 193, Item No. 24.15 of BCSR 2012-13)	**Sqm**
16	KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, die- cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications (page No. 197, Item No. 24.41, of BCSR 2012-13)	**Nos**
17	Providing and fixing of retro reflectonsed cautionary mandatory sign as per IRC 67 made of high intensity grade heeting vide clause 800 1.3 fixed over aluminium sheeting 1.5 mm thick supported on a mild steel angle iron post 75mm x 75mmx6mm firmly fixed to the ground by means of property designed foundation with M15 grade cement concrete 45mm 45cmx60cm, 60cm below ground level as per approved drawing complete as per specifications	**Nos**
18	KSRRB M 100-1 Loading and unloading of stone Boulder/Stone aggregates/sand/Kanker/Moorum-Placing tipper at loading point loading with front end loader dumping turning for return trip excluding time for haulage and return trip complete as per specifications	**Cum**
	Total	

379.69	312.12	2755707.48	64.66	8829.00	570865.48	376.78	3326572.96
1184.00	428.45	184164.95	55.50	429.84	23856.12	483.95	208021.07
200.00	180.00	77371.20	20.00	429.84	8596.80	200.00	85968.00
40.00	40.00	128217.60	0.00	3205.44	0.00	40.00	128217.60
6005.06	3360.54	244344.86	2600.00	72.71	189046.00	5960.54	433390.86
		7873520.82			1979061.17		9852581.98

Add 10% KRIDL Charges

1% labour charges

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.